

IN THE CLAIMS:

Claims 1-15 (canceled).

Claim 16 (new) A fully vulcanized powdery silicone rubber obtained by vulcanizing silicone oil latex with irradiation.

Claim 17 (new) The fully vulcanized powdery silicone rubber according to claim 16, comprising fully vulcanized powdery silicone rubber particles having an average particle size of from 0.02 to 1 μ m.

Claim 18 (new) The fully vulcanized powdery silicone rubber according to claim 17, wherein the fully vulcanized powdery silicone rubber particles have an average particle size of from 0.05 to 0.5 μ m.

Claim 19 (new) The fully vulcanized powdery silicone rubber according to claim 17, wherein the fully vulcanized powdery silicone rubber particles have an average particle size of from 0.05 to 0.1 μ m.

Claim 20 (new) The fully vulcanized powdery silicone rubber according to claim 16, wherein the fully vulcanized powdery silicone rubber has a gel content of at least 60% by weight.

Claim 21 (new) The fully vulcanized powdery silicone rubber according to claim 16, wherein the fully vulcanized powdery silicone rubber has a gel content of at least 75% by weight.

Claim 22 (new) The fully vulcanized powdery silicone rubber according to claim 16, wherein the fully vulcanized powdery silicone rubber comprises fully vulcanized silicone rubber particles having a homogeneous structure.

Claim 23 (new) A process for preparing the composition according to claim 16, which comprises vulcanizing a silicone oil latex by means of irradiation.

Claim 24 (new) The process according to claim 23, comprising irradiating the silicone oil latex with a high-energy source in the presence or absence of a crosslinking agent, and drying the fully vulcanized powdery rubber after the irradiation.

Claim 25 (new) The process according to claim 24, wherein the high-energy source is selected from the group consisting of cobalt source, X-rays, UV rays and high-energy electron beams.

Claim 26 (new) The process according to claim 24, wherein the high-energy source is a cobalt source.

Claim 27 (new) The process according to claim 24, wherein the silicone oil latex is irradiated with an irradiation dose in the range of from 5 to 30 megarads.

Claim 28 (new) The process according to claim 24, wherein the silicone oil latex is irradiated with an irradiation dose in the range of from 10 to 20 megarads.

Claim 29 (new) The process according to claim 23, wherein a crosslinking agent is added before the irradiation and is selected from the group consisting of monofunctional, difunctional, trifunctional, tetrafunctional and multifunctional crosslinking agents, or any combination thereof.

Claim 30 (new) The process according to claim 29, wherein the crosslinking agent is selected from the group consisting of isooctyl (meth)acrylate, glycidyl (meth)acrylate, 1,4-butanediol di(meth)acrylate, 1,6-hexanediol di(meth)acrylate, diethylene glycol di(meth)acrylate, triethylene glycol di(meth)acrylate, neopentyl glycol di(meth)acrylate, divinyl benzene, trimethylolpropane tri(meth)acrylate, pentaerythritol tri(meth)acrylate, pentaerythritol tetra(meth)acrylate, ethoxylated pentaerythritol tetra(meth)acrylate, di-pentaerythritol penta(meth)acrylate, and any combination thereof.

Claim 31 (new) The process according to claim 29, wherein the crosslinking agent is added in an amount of from 0.1 to 10% by weight, based on a solid content of the silicone oil latex.

Claim 32 (new) The process according to claim 29, wherein the crosslinking agent is added in an amount of from 0.5 to 7% by weight based on a solid content of the silicone oil latex.

Claim 33 (new) The process according to claim 29, wherein the crosslinking agent is added in an amount of from 0.7 to 5% by weight based on a solid content of the silicone oil latex.

Claim 34 (new) The process according to Claim 24, wherein the drying is carried out by spray drying with a spray dryer or by precipitation drying.

Claim 35 (new) The process according to claim 34, wherein the drying is carried out by spray drying, and an inlet temperature of the spray dryer is controlled at 100 to 200°C, and an outlet temperature of the spray dryer is controlled at 20 to 80°C.

Claim 36 (new) A method for processing or toughening a plastic comprising:

- (a) providing the fully vulcanized powdery silicone rubber of claim 16; and
- (b) mixing said fully vulcanized powdery silicone rubber with the plastic.

Claim 37 (new) A method for treating a cosmetic, ink, paint or coating comprising:

- (a) providing the fully vulcanized powdery silicone rubber of claim 16; and
- (b) mixing said fully vulcanized powdery silicone rubber with the cosmetic, ink, paint or coating.

Claim 38 (new) A process for obtaining a fully vulcanized powdery silicone rubber, said process consisting essentially of the following steps:

- (a) providing a starting material consisting of silicone oil latex;
- (b) vulcanizing the silicone oil latex with irradiation optionally in the presence of a crosslinking agent to obtain a fully vulcanized powdery silicone rubber; and
- (c) drying the fully vulcanized powdery silicone rubber obtained in step (b).